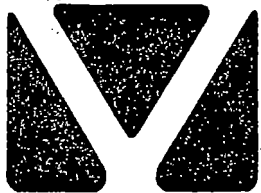


Page No. 1  
02/24/95

PIG'S EYE LANDFILL  
RECORDS COMPILATIONS  
VIKING DRILL AND TOOL



DCN	DATE	AUTHOR	RECIPIENT	TITLE	SUMMARY	PRPS
01935	01/18/91	GEORGE EMSILE, VIKING	KATHRYN GARLAND, MPCA	VIKING'S INFORMATION REQUEST RESPONSE	VIKING'S RESPONSE TO MPCA'S 12/19/90 REQUEST. THE DOCUMENT PROVIDES HAZARDOUS WASTE GENERATORS LICENSES NO. AND INFORMATION ON PRODUCTS USED IN OPERATIONS. THE STATES HAULERS OF THEIR WASTE FROM 1971 - 1988 HAULED TO PIG'S EYE AND PINE BEND FACILITIES.	VIKING



# VIKING DRILL & TOOL, INC.

January 18, 1991

Ms. Kathryn Gerland  
Superfund Unit, Solid Waste Section  
Ground Water and Solid Waste Division  
Minnesota Pollution Control Agency  
520 Lafayette Road  
St. Paul, Minnesota 55155-3898

RE: Information Concerning Dakhue Sanitary Landfill

Dear Ms. Gerland:

The December 19, 1990 letter from Mr. Art Dunn requesting information from Viking Drill & Tool, Inc. concerning the Dakhue Sanitary Landfill is acknowledged.

Enclosed please find our response to this questionnaire. We have answered the questions to the best of our ability. If you have any questions concerning our submission please call me.

Sincerely,

George Emslie  
Executive Vice President

Enclosures

RECEIVED

JAN 24 91

MPCA, C  
& Solid Waste

Member



355 STATE STREET, ST. PAUL, MN 55107, (612) 227-8911

P.O. Box 65278, St. Paul, MN 55165



REPLIES TO THE QUESTIONNAIRE FOR THE DAKHUE SANITARY LANDFILL  
FROM  
VIKING DRILL & TOOL, INC.

Part I: ABOUT THE BUSINESS

1. Viking Drill & Tool, Inc.

2. Yes

3. Minnesota

4. March 16, 1983. Prior to March 16, 1983 the legal entity was Viking Drill & Tool, Inc., an Illinois Corporation. The Illinois company was incorporated in 1970 and merged into the Minnesota corporation in 1983.

5. John L. Knight, 355 State St., St. Paul, Mn. 55107

6. Closely held

7. John L. Knight, 355 State St., St. Paul, Mn. 55107  
612/227-8911, President, CEO, Treasurer and Director

George A. Emslie, 355 State St., St. Paul, Mn. 55107  
612/227-8911, Executive Vice President, Secretary and Director

Dennis A. Jungemann, 355 State St., St. Paul, Mn. 55107  
612/227-8911, Vice President

Louis W. Bloch, 355 State St., St. Paul, Mn. 55107  
612/227-8911, Vice President

William M. France, 1660 Columbus-Lancaster Road NW, Lancaster, Oh.  
43130 614/653-4373, Director

Michael E. Judge, Suite 200, 4540 Heatherdowns, Toledo, Oh. 43614  
419/381-8884, Director

Donald J. Kuene, Suite E, 2727 N. Holland-Sylvania Road, Toledo, Oh.  
43615, 419/535-5728, Assistant Treasurer/Secretary, Director

8. Society Bank and Trust, Trustee; in care of G.W. Miller, Three Seagate,

Toledo, Oh. 43603, 419/259-8288

9. 37 years

10-16. OMIT

17. SIC Code number is 3545.

18. Manufacture of twist drills

19. High speed steel bar or coil is cut to length. It is then heat treated in salt baths to obtain the necessary hardness. Finishing operations such as the flutes and points are done by grinding. Some drills are produced by turning and milling.

20. Viking Drill & Tool subcontracts a small percentage of our finished drills for the application of a Titanium coating.

21. Multi-Arc Scientific Coatings, 1990 Christenson Ave., West St. Paul, Mn. 55118, 612/552-2555.

## Part II: ABOUT THE ENVIRONMENTAL PRACTICES OF THE BUSINESS

### 1. Operations

2. George A. Emslie, 612/227-8911, 19 years, Executive Vice President.  
Dennis A. Jungemann, 612/227-8911, 25 years, Vice President, Engr.  
Robert E. Mc Elmury, 612/227-8911, 22 years, Facilities Manager.  
Thomas O'Keeffe, Whereabouts unknown, 4 years.

3. Hazardous Waste Generator License No. 16295 issued by Ramsey County Public Health Department for the period October 1, 1990-March 31, 1991.

EPA Identification No. MND9807043499 for generator of hazardous waste.

Approval of codisposal of nonhazardous industrial waste by the Minnesota Pollution Control Agency. Letter dated May 12, 1983 grants ongoing approval to dispose grinding sludge at the Pine Bend Landfill.

4. No

5. No

## 6. NA

## 7. A. Heat Treating Salt

(a) Hazardous Waste. During the years prior to 1983 this waste was not classified hazardous.

(b) Heat treating of drills in salt bath furnaces.

(c) We have no records of quantities of salt disposed during 1971-1982. Based on current volumes we estimate four to eight 55 gallon drums per year were disposed. From 1983-1988 the volumes disposed were six to ten 55 gallon drums per year.

(d) During the years 1971-1982 the salt was put into a dumpster along with our regular trash. During the years 1983-1988 the salt was put into approved 55 gallon drums.

(e) During 1971-1982 we have no first hand knowledge of the disposal site. We believe that during the years 1971-1982 our various trash haulers used Pigs Eye and Pine Bend facilities. During 1983-1988 our disposition of salts has been to duly licensed hazardous waste haulers who have transported it to approved hazardous waste disposal sites under our EPA No. MND980704399.

(f) This salt waste has been generated continually from 1971-1988 in our manufacturing process. From 1971-1983 it was disposed of currently with the regular trash. From 1983-1988 we have disposed of the salt about once per year.

## B. Asbestos Strips

(a) Hazardous Waste

(b) Asbestos strips were used in the heat treat operation as an insulator/cushion to aid in clamping the drills.

(c) We have no records of quantities of used asbestos strips disposed during 1971-1979. We estimate that 300 lbs. per year were disposed. Asbestos strips were discontinued in 1979.

(d) During the years 1971-1977 the used asbestos waste was put into the dumpster along with our regular trash. During the years 1978-1979 the asbestos waste was accumulated in plastic bags. When filled they were sealed and tagged to show contents of asbestos. They were then put into our dumpster along with our regular trash.

(e) During 1971-1978 we have no first hand knowledge of the disposal site. We believe that our various trash haulers used Pigs Eye and Pine Bend facilities.

(f) This asbestos waste has been generated continually from 1971-1978 in our manufacturing process. It was disposed of currently with the regular trash.

### C. TCE Still Bottoms

#### (a) Hazardous Waste

(b) The TCE is used to remove oil from our drills. The used, dirty TCE is distilled, most of the TCE is reclaimed, but a small amount remains in the resulting leftover oil.

(c) We have no records of quantities of still bottoms produced during 1971-1982. Based on current volumes, we estimate 100-200 gallons per year were disposed. From 1983-1988 the volumes disposed were 200-300 gallons per year.

(d) During 1971-1982 the waste was added to our used oil tank. The tank was pumped out by oil reclaimers. During the years 1983-1988 the still bottoms were put into approved 55 gallon drums.

(e) During 1971-1982 the still bottoms were reclaimed along with our used oil by various oil reclaimers. We believe they reprocessed the oil or sold it for heat generation. During the years 1983-1988 our disposition of still bottoms has been to duly licensed hazardous waste haulers who have transported it to approved hazardous waste disposal sites under our EPA No. MND980704399.

(f) TCE still bottoms have been generated continually from 1971-1988 in our manufacturing process. From 1971-1982 they were disposed with the used oil about twice a year. From 1983-1988 they have been disposed of in approved drums about once per year.

### D. Used Oil

#### (a) Hazardous Waste

(b) In our manufacturing process we have many hydraulic systems. When this oil is dirty we can no longer use it. Dirty oil also comes from drives, crankcases, etc in our plant.

(c) We have no records of quantities of used oil disposed during 1971-1987. We estimate 500-1000 gallons per year. In 1988 we disposed of 1270 gallons.

(d) During 1971-1988 our used oil has been deposited in a tank. During the years 1971-1983 we also added still bottoms to this tank. The oil reclaiming service pumps the oil out of our tank.

(e) We have no knowledge of where the used oil went. We believe it was reclaimed or used for heat generation.

(f) The used oil has been generated continually from 1971-1988. It is collected by an oil reclaimer when the tank is full, usually twice a year.

### E. Degreasing Solvents

#### (a) Hazardous Waste

(b) Solvents are used to wash our machine parts. Since 1984 we have used Safety Kleen wash stations. We presently have 6 stations. During the years 1971-1983 we provided little opportunity to wash our machine parts.

(c) We have no records of quantities of degreasing solvents disposed during 1971-1983. We estimate 100-150 gallons per year. From 1984-1988 the volume disposed through Safety Kleen Corp. was 200-300 gallons per year.

(d) During the years 1971-1983 we added the solvent to our used oil tank described above. From 1984-1988 Safety Kleen Corp. removed this waste in metal containers.

(e) During 1971-1983 we have no first hand knowledge of the disposal site. During 1984-1988 all solvents were picked up by Safety Kleen Corp and required hazardous waste filings were completed by them.

(f) Only minimal dirty solvents were produced during the years 1971-1983. These were disposed of with our used oil about twice per year. During the years 1984-1988 dirty solvents were continually produced and were removed by Safety Kleen Corp. monthly.

#### F. Grinding Sludge

(a) Non hazardous industrial waste

(b) The sludge is produced in our grinding operations when the cutting oil is filtered so it may be reused.

(c) During 1971-1988, as our production has increased, the quantity of sludge has increased. We have no direct knowledge of the exact amounts of this sludge. We estimate it to have been 120,000 lbs. per year in 1971 gradually growing to the present estimate of 200,000 lbs. per year in 1988.

(d) During 1971-1981 the sludge was either put into our dumpster or into 55 gallon drums. Since 1982 the sludge has gone into our dumpster.

(e) During 1971-1979 we sold much of our sludge in 55 gallon drums to companies in Pennsylvania and Illinois. These companies used it to reclaim the high speed steel in the sludge. The remainder of the sludge was put into our dumpster. We believe it went to the Pigs Eye or Pine Bend facilities. During the years 1982-1988 the grinding sludge was disposed at the Pine Bend facility.

(f) The sludge has been continually generated from 1971-1988 in our manufacturing process. When disposed in our dumpsters it would be hauled away weekly. When disposed in 55 gallon drums it would be disposed about three times per year.

8. We have no knowledge of any solid or hazardous waste generated by Viking Drill & Tool, Inc. being disposed of at the Dakhue Sanitary Landfill.

9. It is our belief that the haulers of our trash during the period of 1971-1988 used the Pigs Eye or Pine Bend facilities. Waste types which were included with the regular trash were grinding sludge and heat treat salts. However, since 1983 we have arranged for transportation and disposal of our heat treating salts into approved facilities under our EPA No. MND980704394.

10. No

11. NA

12. We have no knowledge of any solid or hazardous waste generated by Viking Drill & Tool, Inc. being disposed of at the Dakhue Sanitary Landfill. The following three waste haulers were used between 1971 and 1982. We do not know dates or duration of their respective services:

J.J. Remeckel & Sons, 102 Jessamine Ave. E. St. Paul, Mn.

Poor Richard, 400 Whitehall, St. Paul, Mn.

Waste Control, 95 Ivy Ave. West, St. Paul, Mn.

Since 1982 these two waste haulers have served us:

Action--address unknown--(bought by BFI?) 1982-1984

Browning Ferris Industries, 4325 E. 66th St., Inver Grove, Mn., 1984-1988.

13. (a) J.J. Remeckel & Sons, Poor Richard and Waste Control.

(b) We have no first hand knowledge of the sites utilized by these waste haulers.

(c) These haulers were utilized from 1971-1982. We have no records or knowledge of exact dates of service by each hauler.

(a) Action and Browning Ferris Industries

(b) Pine Bend Landfill

(c) 1983-1988

14. None

15. None

16. Copies of the following documents attached:

(a) Ramsey County Public Health Department Hazardous Waste Generator License #16295.

(b) Letter from Minnesota Pollution Control Agency dated May 12, 1983 granting approval of codisposal of grinding sludge.



17. To the best of our knowledge no waste generated by Viking Drill & Tool, Inc. was disposed at the Dakhue Sanitary Landfill. We have therefore not included any liability insurance data.

## AFFIDAVIT

COUNTY OF RAMSEY

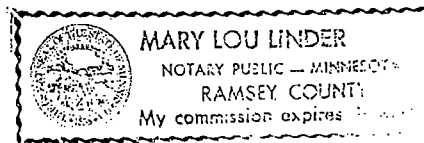
STATE OF MINNESOTA

I declare that I prepared this Questionnaire and to the best of my knowledge and belief, it is true, correct and complete. I attest that a diligent search for records relevant to this Questionnaire has been completed and that a diligent interview process has been conducted with present employees who may have knowledge of waste generation or other waste management practices at the Dakhue Sanitary Landfill from November 1, 1971 to May 31, 1988.

George A. Emslie  
George A. Emslie

The foregoing statement is acknowledged before me, a Notary Public, this 18th day of January, 1991 by George A. Emslie.

Mary Lou Linder  
Notary Public





RAMSEY COUNTY  
Public Health Department  
Rob Fulton, Director

Environmental Health Division  
1910 W. County Rd. B. - Room 209  
Roseville, Mn. 55113

633-0316 — 298-5972

October 29, 1990

01944

PART II  
ITEM 3.

GEORGE EMSLIE  
VIKING DRILL AND TOOL

This document is part of  
LICENSE NUMBER: 16295

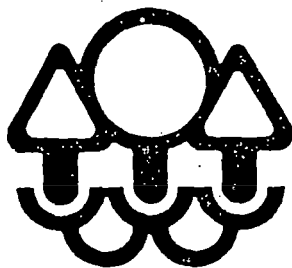
355 STATE ST  
SAINT PAUL, MN 55107

MND980704399  
355 STATE ST

Your 1990-1991 Hazardous Waste Generator License has been issued. The license (and this attachment) must be kept at the licensed location. The license is subject to the following conditions:

1. The license must be conspicuously posted.
2. Any tank or container which contains hazardous waste must display the words "HAZARDOUS WASTE" and the date accumulation was begun.
3. Hazardous waste manifests approved by this Department must be prepared for each shipment. Upon shipment, a copy of the manifest must be mailed to the following address: MPCA-HWIMS 520 Lafayette Road, Saint Paul, MN, 55155
4. Copies of reports submitted to the Metropolitan Waste Control Commission must be kept for our review on request.
5. Inspections will be made by this Department to ensure compliance.
6. This license covers the following wastes:

USED OIL	EO	M100
HEAT TREATING SALT	H01	P030
TCE STILL BOTTOMS	H02	F001
DEGREASING SOLVENT	H03	D001



## Minnesota Pollution Control Agency

May 12, 1983

PART II  
Item 3

Mr. Thomas O'Keeffe  
Viking Drill and Tool Incorporated  
470 Kittson Street  
Post Office Box 3278  
St. Paul, Minnesota 55165

Mr. Ronald Larson  
Pine Bend Sanitary Landfill  
Phoenix, Incorporated  
2495 East 117th Street  
Inver Grove Heights, Minnesota 55075

Gentlemen:

Re: Codisposal Request Approval

Based on all the information and the certifications contained in your request for codisposal of nonhazardous industrial waste received on December 9, 1982, the following approvals are hereby granted by the Minnesota Pollution Control Agency (MPCA):

1. MPCA approval is hereby granted to Viking Drill and Tool Incorporated to dispose of grinding sludge at Pine Bend Sanitary Landfill (SW-45).
2. MPCA approval is hereby granted to Pine Bend Sanitary Landfill (SW-45) located at Section 33, T27N, R22W Inver Grove Heights, Dakota County, Minnesota to accept for disposal Viking Drill and Tool's grinding sludge.

MPCA approval is subject to the following conditions:

1. Disposal shall be limited to:
  - a. A one time disposal of 60 cubic yards of grinding sludge.
  - b. 1200 pounds per day of grinding sludge as identified on the Codisposal Request Form dated October 14, 1982.

Phone: 612/297-2735

1935 West County Road B2, Roseville, Minnesota 55113-2785

Regional Offices • Duluth/Brainerd/Detroit Lakes/Marshall/Rochester

Equal Opportunity Employer

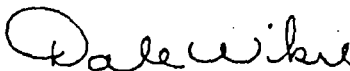
2. Disposal of this waste in the landfill shall be conducted in accordance with all applicable laws and MPCA rules and the terms of the permit.
3. The waste shall be disposed of using routine sanitary landfill practices.
4. No free liquid shall be present in the waste.
5. If the waste is to be transported to the landfill in open topped drums, two approximately ½" holes shall be punched in the bottom of each drum.

Reasonable measures shall be taken by the generator prior to shipment of the waste and by the landfill operator prior to disposal of the waste to verify that the materials are nonliquid and are the same as those listed in the Co-disposal Request. The amount of waste received and the method of disposal are to be reported on the permittee's quarterly operation report submitted to the MPCA.

This approval authorizes the generator and permittee to perform the activities described herein under the conditions set forth. In issuing this approval, the state/MPCA assumes no responsibility for any damage to person, property or the environment caused by the activities of the permittee in the conduct of its actions, including those activities authorized, directed or undertaken pursuant to this approval. To the extent the state/MPCA may have any liability for the activities of its employees, that liability is explicitly limited to that provided in the Torts Claims Act, Minnesota Statute §3.736 (1982).

If you have any questions or comments, please contact Richard Baxter of my staff at 612/297-2707.

Sincerely,



Dale L. Wikre  
Director  
Solid and Hazardous Waste Division

DLW:mn

cc: John Bartholow, Dakota County Solid Waste Officer

PART II  
ITEM 3

October 14, 1982

Richard Baxter  
Minnesota Pollution Control Agency  
1935 West County Road B2  
Roseville, MN 55113-2785

Dear Mr. Baxter:

The following is a brief history of grinding sludge disposal at Viking Drill & Tool, Inc. Previous to October 1979, our grinding sludge was hauled away and dumped in landfills. Since that time we have been selling it to a company that is able to reclaim the steel. Because of economic conditions this is no longer profitable for them to do and presently they have no further need for our grinding sludge. Because of this we would like to continue as we did previously to October 1979.

If more information is needed please call me at 227-8911.

Sincerely,

*Tom O'Keeffe*

Tom O'Keeffe  
Facilities Manager

✓ TO:ml1